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[Application resource demand phase analysis and prediction in support of dynamic resource provisioning](#)

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J Zhang, M Yousif, R Carpenter... - ... Computing, 2007. ICAC' ... - [ieeexplore.ieee.org](#)
... The phase profile learned from historical runs is used to classify and **predict** phase behavior using a set of algorithms based on clustering. ... **VMM** ... where C and C_p denote the relative unit cost of phase **transition** and the relative unit cost of mispre- diction penalty with regard to the ...

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[Optimizing processor-managed resources based on the behavior of a virtual machine monitor](#)

SM Bennett, AV Anderson... - US Patent App. ... , 2003 - [freepatentsonline.com](#)
... 33. The apparatus of claim 30 further comprising a **VMM** behavior predictor in a processor to **predict** the predefined behavior of the **VMM** 34. ... 35. An apparatus comprising: a **transition** type determinator to determine that a **transition** from a **virtual machine** monitor (**VMM**) to a ...

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[Optimizing processor-managed resources based on the behavior of a virtual machine monitor](#)

SM Bennett, AV Anderson, S Jayasingh... - US Patent App. 10/ ... , 2003 - [Google Patents](#)
... [0040] In one embodiment, the processor notification module 204 includes a **transition** type determinator 206 and a **VMM** operation controller 208. The **transition** type deter- minator 206 determines the type of a **transition** that is about to occur from the **VMM** to a **VM**. ...

[Longitudinal determination of skin collagen glycation and glycoxidation rates predicts early death in C57BL/6NNIA mice](#)

[\(HTML\) from fasebj.org](#)

... , NR KLEINMAN, VM MONNIER - The FASEB Journal, 2000 - FASEB
... is a life span-determining process.—Sell, DR, Kleinman, NR, Monnier, VM Longitudinal determination ... the first evidence that markers of glycation and glycoxidation can **predict** individual longevity ... and are influenced by oxidative events that are catalyzed by **transition** metals and ...

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[Just-in-Time Server Provisioning Using Virtual Machine Standby and Request Prediction \(PDF\)](#)

[\(PDF\) from assemble.com](#)

F Machida, M Kawato... - 2008 - [computer.org](#)
... 70% 30% **VMM** ... The generated prediction models are evaluated by whether they can **predict** precisely the 8 provisioning requests in advance. The provisioning costs: c_{ji} that are the **transition** time from standby state j to the application i are set as Figure 7. The threshold for the ...

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[\(PDF\) from sdsu.edu](#)

VK Naik, S Sivasubramanian, D Bartz... - Proceedings of the 4th ... , 2003 - [portal.acm.org](#)
... From this model, the Host Agent **predicts** the probability for the system to be "idle" from its ... bursts of busy workload and leaving the system idle rest of the time, the **transition** probability from ... service interfaces and can be deployed on any grid node with the help of the local **VMM**. ...

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[Bent-core liquid crystal \(LC\) decorated gold nanoclusters: synthesis, self-assembly, and effects in mixtures with bent-core LC hosts](#)

VM Marx, H Girgis, PA Heiney... - J. Mater. Chem., 2006 - [xlink.rsc.org](#)
... as pointed out recently by Serrano et al.,¹⁸ the special molecular packing of bent-core LCs might well be a starting point for ... Melting points, phase **transition** temperatures, and the corresponding enthalpy values of all final bent-core compounds were determined by means of a ...

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[Predict computing platform memory power utilization](#)

R Dodeja, N Chandwani... - US Patent App. ... , 2006 - [freepatentsonline.com](#)
... online state 520 , **transition** feature 218 may cause memory module 160 - 1 to **transition** to offline ... Thus, the process may return to block 620 and/or 630 to **predict** the use of ... portion of a core that operates using virtualization technology/virtual machine monitor (VT/VMM) support in ...

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[Towards High Assurance Networks of Virtual Machines](#)

[\(PDF\) from psu.edu](#)


F Baiardi... - Proceedings of the 3rd European Conference on ... , 2009 - Springer
... run at the lowest level, the kernel one, only the first one able to **predict** and prevent ... Manitou [19] is a system im- plemented within a **VMM** that ensures that a **VM** can only ... Netstat [32] is a NIDS that applies state **transition** analysis techniques by modeling intrusions through state ...

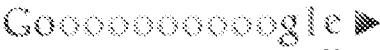
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[METHOD OF MIGRATION BETWEEN VIRTUAL MACHINE AND PHYSICAL MACHINE AND MACHINE SYSTEM THEREOF](#)

T SEKIGUCHI, H SATO... - US Patent App. 12/165,687, 2008 - [Google Patents](#)

... pro- cessing by the other guest OSs; therefore, there is a problem that it is difficult to **predict** the performance ... 0009] The **virtual machine** method has a characteristic that a **VM** defined on a computer can be migrated and executed on another computer where a **VMM** is executed ...

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[A reinforcement learning approach to online web systems auto-configuration](#) (PDF) from uccs.edu
X Bu, J Rao... - 2009 29th IEEE International Conference on ..., 2009 - computer.org
... coarse granularity 4: end for 5: Generate regression-based **predicting** function 6: **Predict** performance of ... the increase of the number of tunable parameters, convergence to a stable **state** would become ... For example, in the second context **transition** at the 60th iteration, the system ...
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F Baiardi... - Proceedings of the 3rd European Conference on ..., 2009 - Springer
... the lowest level, the kernel one, only the first one able to **predict** and prevent ... 8] supports recovery, checkpoint and roll-back of VMs and uses **virtual-machine** replay to ... NIDS that applies **state transition** analysis techniques by modeling intrusions through **state transition** diagrams. ...
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(HTML) [Sharing networked resources with brokered leases](#) (HTML) from usenix.org
D Irwin, J Chase, L Grit, A Yumerefendi... - Proceedings of the ..., 2006 - usenix.org
... Time-related **state transitions** are driven by a **virtual** clock that advances in response to external tick calls. ... Advance reservations for **predictive** service in the Internet. ... Modeling and managing **state** in distributed systems: The role of OGSi and WSRF. ...
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[Optimizing processor-managed resources based on the behavior of a virtual machine monitor](#)
SM Bennett, AV Anderson, S Jayasingh... - US Patent App. 10/ ..., 2003 - Google Patents
... A SET OF OPERATIONS TO BE PERFORMED FOR THE TYPE OF **TRANSITION** C 506 ... AND VMCS jC 862 STORE MODIFIED VMM **STATE** AND LOAD GUEST **STATE** JZ 850 ... use of processor-managed resources based on the behavior of a **virtual machine monitor** with respect ...

[Optimizing processor-managed resources based on the behavior of a virtual machine monitor](#)
SM Bennett, AV Anderson... - US Patent App. ..., 2003 - freepatentsonline.com
... of claim 30 further comprising a VMM behavior predictor in a processor to **predict** the predefined ... the processor to set execution control information, VMM **state** information and **VM state** information in ... VMM operation controller is to respond to a determination that the **transition** is a ...
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[Just-in-Time Server Provisioning Using Virtual Machine Standby and Request Prediction \(PDF\)](#) (PDF) from assemble.com
F Machida, M Kawato... - 2008 - computer.org
... **Virtual Machine Monitor** (VMM ... The logistic regression analysis is one of data mining methods to **predict** the binary dependent variable or ratio with input several independent variables [4]. The probability of the provisioning request for ... Figure 4. Example of standby **state transition** ...
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[Practical techniques for operating system attestation](#) (PDF) from dnu.dp.ua
P England - Trusted Computing-Challenges and Applications, 2008 - Springer
... be useful, the remote entity or the local-sealer must be able to **predict** and/or ... Security- relevant **state transitions** can occur if an attacker exploits a bug in the trusted computing base ... from a read-only image provides useful remediation of the code and data **state** diversity problems ...
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[Snooze: A scalable, fault-tolerant and distributed consolidation manager for large-scale clusters](#) (PDF) from india.fr
E Feller, L Rilling, C Morin, R Lottiaux... - ... the 2010 IEEE/ACM Int'l ..., 2010 - portal.acm.org
... Therefore, we **monitor** and keep track of the previous idle times. Afterwards, we accumulate these values to **predict** the upcoming idle period using the following recursive equation: ... Finally, we **transition** the nodes into a lower power-**state** when $T_{i+1} > T_{threshold}$ holds. III. ...
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[Use of virtual machines in information systems](#) (PDF) from mit.edu
JJ Donovan - 1975 - dspace.mit.edu
... m **VM's** running. ' y is thO Service rata At which the data base **virtual machine** is running when there are m-1 modeling **VM** and one data base **VM** running. ... Using a birth/death process model [Drake: 1967], the **state transition** diagram is shown in Figure 7. mXo (m-1)A P0 P1 ...
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(PDF) [Development of Flexible Manufacturing System using Virtual Manufacturing Paradigm](#) (PDF) from psu.edu
SC Kim... - International Journal of the Korean Society of ..., 2006 - Citeseer
... In addition, accurate modeling will **predict** the quality of the machined part, which cannot be determined ... The small letter t indicates the **state** of the robot associated with **transition**. ... **virtual** driver send commands to the corresponding physical **machine**, and receives the **state** of that ...
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